# Abstract of the Disclosure

Methods, systems, and data structures are provided for dynamically routing a data packet through a Content Distribution Network (CDN). A routing table includes a desired path for a data packet and one or more alternative paths. Each path includes links and each link connects pairs of an entry node, intermediate

5   nodes, and a destination node together. Each link also includes policies that are processed by the entry node and the intermediate nodes. If conditions of currently available nodes (local nodes) trigger one or more of the policies, then any processing node dynamically reorders a number of the currently available nodes within the routing table. After the processing, the data packet is routed to a next or

10   preferred currently available node within the routing table.